

III. CLAIM AMENDMENTS

1. (Currently Amended) A method of managing bearer adapters, each bearer adapter being used at a server for communication with a terminal over a particular wireless network, the method comprising:

dynamically adding and deleting a bearer adapter to and from the server while the server is able to communicate with already existing bearer adapters; and

creating a particular thread to which the added bearer adapter is assigned; and

creating the particular thread at a protocol stack in the server;

wherein adding and deleting the bearer adapter to and from the server is controlled by a bearer gate that is configured to operate between the bearer adapter and the protocol stack.

2-4. (Cancelled)

5. (Previously Presented) A method according to claim 1, wherein the method further comprises:

transferring data between a protocol stack and the bearer adapter via a bearer gate,
and

upon creating the bearer adapter, storing identification information about the bearer adapter in the bearer gate, and

upon deleting the bearer adapter, removing the identification information about the bearer adapter from the bearer gate.

6. (Previously Presented) A method according to claim 5, wherein the method further comprises:

upon deleting the identification information about the bearer adapter, keeping the particular thread assigned to the bearer adapter until the next time the operation of the server is stopped .

7. (Original) A method according to claim 1, wherein the method further comprises:

controlling the operation of bearer adapters with a user interface.

8. (Original) A method according to claim 7, wherein the controlling comprises adding, removing, starting, stopping, configuring and monitoring the operation of bearer adapters.

9. (Previously Presented) A method according to claim 7, wherein the method further comprises:

controlling the operation of bearer adapters with a graphical windows based user interface.

10. (Previously Presented) A method according to claim 1, wherein the terminals comprise mobile terminals and cellular telephones supporting the Wireless Application Protocol (WAP).

11. (Currently Amended) A server for managing bearer adapters, each bearer adapter being used at a server for communication with a terminal over a particular wireless network, the server comprising:

means for dynamically adding and deleting a bearer adapter to and from the server while the server is able to communicate with already existing bearer adapters;

means for creating a thread in response to adding the bearer adapter;

means for assigning the created thread to the added bearer adapter;

a wireless protocol stack for implementing a wireless protocol and for transferring data between the wireless protocol stack and the bearer adapter; and

a bearer gate for isolating the wireless protocol stack from the bearer adapter and for storing information on each bearer adapter, and wherein the bearer gate is further configured to operate between the bearer adapter and the protocol stack and control adding and deleting the bearer adapter to and from the server.

12. (Original) A server according to claim 11, wherein the server further comprises

a user interface (56, 22, 23) for allowing an administrator (55) of the server to dynamically add a bearer adapter while the server is able to communicate with already existing bearer adapters.

13-14. (Cancelled)

15. (Original) A server according to claim 11, wherein the server further comprises

removing means (56, 54, 53) for dynamically removing a bearer adapter from the server while the server is able to communicate with still existing bearer adapters.

16. (Currently Amended) A server according to claim 1514, wherein

the removing means have been arranged to remove the identification information about the bearer adapter from the bearer gate, and

the bearer gate has been arranged to stop communication to the removed identification information about the bearer adapter.

17. (Original) A server according to claim 12, wherein the user interface (56) further comprises a graphical windows based user interface.

18. (Previously Presented) A server according to claim 11 comprising a gateway server serving a plurality of mobile terminals.

19. (Original) A server according to claim 18 comprising a WAP gateway.

20. (Currently Amended) A computer program product for managing bearer adapters at a server, each bearer adapter being used at a server for communication with a terminal over a particular wireless network, the computer program product comprising:

a computer useable medium having computer readable program code means embodied therein for causing a computer to dynamically add and delete a bearer adapter -to and from the server while the server is able to communicate with already existing bearer adapters;

computer readable program code means for causing a computer to create a thread in response to adding the bearer adapter;

computer readable program code means for causing a computer to assign the created thread to the added bearer adapter;

computer readable program code means for causing a computer to implement a wireless protocol and transfer data between a wireless protocol stack and the bearer adapter;-and

computer readable program code means for causing a computer to isolate the wireless protocol stack from the bearer adapter using a bearer gate that is configured to operate between the bearer adapter and the protocol stack, control the adding and deleting of the bearer adapater and store information on each bearer adapter.